

MARCUS HOOK TERMINAL PLAIN LANGUAGE PROJECT SUMMARY

This summary was created with links to supplemental material.

A digital version is available on www.dep.pa.gov/ETMT

Energy Transfer Marketing & Terminals, L.P. (ETMT; formerly Sunoco Partners Marketing & Terminals, L.P. [SPMT]), is proposing to expand its current ethane processing capacity at its existing Marcus Hook Terminal (MHT; formerly [Marcus Hook Industrial Complex \[MHIC\]](#)) from 75,000 barrels per day (bpd) to 85,000 bpd, an increase of 10,000 bpd. The natural gas liquids (NGLs) processing, storage, and distribution operations at the MHT are currently permitted under existing Plan Approvals, while the rest of the operations at the facility are permitted under a Title V Operating Permit. ETMT has applied for a Plan Approval from the Pennsylvania Department of Environmental Protection (DEP) to determine if this expansion project meets appropriate state laws and regulations.

Where is the Marcus Hook Terminal?

The MHT is located at 100 Green Street, Marcus Hook, PA 19061, in Marcus Hook Borough, Delaware County.

What is a Plan Approval?

A Plan Approval is required by DEP when an entity wants to (a) construct, modify, or reactivate a source of air contamination, (b) install air cleaning devices, and (c) when emissions from a project exceeds certain levels.

The Plan Approval application generally requires the applicant to:

- detail the proposed project and the associated emissions
- discuss all applicable Federal and state requirements and demonstrate that the proposed project will meet them
- show that the emissions from the new source will utilize best available technology
- show that the emission sources and/or air cleaning devices will be operated in accordance with good air pollution control practices.

DEP received the application on February 14, 2022 and determined on March 9, 2022 that it would undergo technical review by staff in DEP's Air Quality Program.

What is included in the proposed ethane processing expansion?

The proposed ethane processing expansion includes the installation of the following equipment to increase the ethane processing capacity by 10,000 bpd: a new (fourth) ethane chiller train, a new boil-off gas system, and new piping and components.

What are the emissions from the MHT facility?

		Ethane Processing Expansion (additional tons per year)	Total Emissions (tons per year)
Carbon Monoxide	CO	2.39	104
Greenhouse Gas (in carbon dioxide equivalents)	GHG	20,841	264,143
Nitrogen Oxides/Nitrogen Dioxide	NO _x /NO ₂	4.23	63.23
Lead	Pb	0.0007	0.0075
Particulate Matter (Total/< 10 µm/< 2.5 µm)	PM, PM ₁₀ , PM _{2.5}	0.14 (each)	4.16/3.95/2.11
Sulfur Oxides/Sulfur Dioxide	SO _x , SO ₂	0.43	17.92
Volatile Organic Compounds	VOCs	5.97	183.89

How does DEP review an application for a project such as this?

DEP considers a number of factors when reviewing an application, including: the types of contaminants, the anticipated or actual emissions, the area in which the facility is located, the use of best available technology, and the company's ability to demonstrate compliance with all applicable regulations. In accordance with a 2019 ruling from the Environmental Hearing Board, DEP must consider the total emissions and impact from the entire facility, and not just the potential increases from the expansion.

In addition to a standard Plan Approval review, because of the location of this facility and the emissions from certain pollutants, this application also triggers a New Source Review (NSR) and a Prevention for Significant Deterioration Review (PSD). PSD and NSR each have specific requirements the facility must satisfy, such as installing air emission control technology, conducting specific analyses, and implementing pollution controls to meet the lowest achievable emission rates. More information on these requirements can be found on DEP's webpage.

What opportunities are there for public involvement and participation?

Because the facility is located in an Environmental Justice (EJ) area, the application triggers DEP's [EJ Enhanced Public Participation Policy](#), resulting in additional opportunities for public participation throughout the application review.

DEP will host an informational meeting on June 8, 2022, at 6 PM at the Marcus Hook Municipal Building, 1111 Market Street, Marcus Hook, PA 19061. DEP has invited representatives from ETMT to explain the proposed ethane processing expansion and answer any related questions from the public, while DEP will likewise explain the permitting process and answer questions pertaining to regulations or its review.

As part of the Plan Approval application, the applicant is required to notify the municipality and county where the facility is located. ETMT has included copies of notification letters to Marcus Hook Borough and Delaware County with the [application](#).

In addition to be posted to DEP's project webpage, ETMT has also dropped off hard copies of the Plan Approval application for public review at the following locations:

Mary M. Campbell Marcus Hook Public Library
1015 Green Street, Suite B
Marcus Hook, PA 19061
610-485-6519

Marcus Hook Municipal Building
1111 Market Street
Marcus Hook, PA 19061
610-485-1341

Comments can be submitted to DEP during its review either by email to RA-EPSEROAQPUBCOM@pa.gov or mailed to the office at 2 E. Main St. Norristown, PA 19401, to the attention of Jim Rebarchak. (Note: only those comments received during a published comment period will be formally responded to.)

Who can I contact to get additional information?

Virginia Nurk, DEP Community Relations Coordinator, Southeast Regional Office, 484-250-5808
Joe Massaro, ETMT Lead Specialist, Public Affairs, Marcus Hook Terminal, 610-340-8741

More information is available online at: www.dep.pa.gov/ETMT

What is the anticipated timeframe for DEP to make a final decision on the Plan Approval application?

DEP intends to make a final decision on the Plan Approval application on or around April 2023. If DEP intends to issue the Plan Approval, DEP anticipates that it would publish the notice to this effect in the *Pennsylvania Bulletin* on or around December 2022, with a public hearing to occur on or around January 2023.